

4/18/2008



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Site Project Summary Report**



Site Code	152040	Site Name	Huntington Landfill	
Classification	04	Address	Town Line Road	
Region	1	City	Huntington	Zip 11731
Latitude	40.88	Town	Huntington	
Longitude	-73.29	County	Suffolk	Project Manager John Strang
Site Type	Landfill			Estimated Size 54.0000

Site Description

This closed municipal landfill, located in the northwest portion of Suffolk County, has a confirmed leachate plume in the sole source aquifer. This plume has traveled at least two miles to the northeast. Private residential wells downgradient of the landfill have been contaminated with tetrachloroethylene (PCE) and landfill leachate parameters. These contaminants have also been detected in downgradient monitoring wells. There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume. A Consent Order for a full remedial program was signed 03/26/91. The order calls for capping of the landfill concurrent with the Remedial Investigation / Feasibility Study (RI/FS). The Town of Huntington entered into a state assistance contract which provides for 75% grant funding of eligible costs. In December 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant. The Interim Remedial Program (IRP) landfill cap design was completed in July 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on 08/03/94. The landfill closure system utilizing the "alternative" design (landfill cap and gas collection system) was constructed with the completion in August 1996. Previous environmental reports of the site include a NYSDEC Phase I and numerous groundwater sampling reports by the Town's consultants. The RI/FS was completed in November 1995. A Record of Decision was signed in March 1996. A public water supply protection/institutional controls remedy was selected. An outpost monitoring well upgradient of the Gun Club Road public supply well was constructed in January 1997. Monitoring reports are regularly submitted on this site by the Town. This site has been identified as a vapor intrusion legacy site. A vapor intrusion evaluation has been conducted.

Materials Disposed at Site

Quantity Disposed

HEAVY METALS
VAPOR DEGREASING
PCE

UNKNOWN
UNKNOWN
UNKNOWN

Analytical Data Available for : Air, Groundwater, Surface Water, Sediment

Applicable Standards Exceeded for: Air, Groundwater, Surface Water, Drinking Water

Assessment of Environmental Problems

There is confirmed groundwater contamination at this site. A contaminant plume has moved off-site and affected private drinking water wells. The plume is discharging to the head waters of Sunken Meadow Creek approximately two miles to the northeast of the site.



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In February 2005 this site was identified by DEC as one needing further evaluation for vapor intrusion. The evaluation involved a review of available historic groundwater and soil gas data and has been supplemented with additional field work to check existing site conditions and collect groundwater and soil gas samples from new locations downgradient of the site for further analysis. The results indicate that no further action is required because known or potential exposures downgradient of the landfill are not the result of a site-related or upgradient source.

Assessment of Health Problems

Downgradient monitoring wells and some private wells were contaminated with inorganic and organic compounds associated with the landfill. Homes with private wells contaminated with site-related compounds or threatened by the groundwater contaminant plume migrating from the landfill have been connected to public water. The cap constructed on the landfill includes a gas collection/control system to prevent the off-site migration of landfill gas. The landfill cap will be maintained on a long-term basis to ensure proper function of the gas control system.

Project Information

Operable Unit 03 Soil Vapor Intrusion

	Agency	Bureau	Office	Manager		Funding Source
Site Characterization						
Remedial Investigation						
Remedial Design						
Remedial Action						
OM & M						

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
Site Characterization								
Remedial Investigation								
Remedial Design								
Remedial Action								
OM & M								

Operable Unit 00 Entire Site

	Agency	Bureau	Office	Manager		Funding Source
Site Characterization						
Remedial Investigation						
Remedial Design						
Remedial Action						
OM & M	DEC	BURA	REM-B	JRSTRANG		Title 3

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
Site Characterization								

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Remedial Investigation

Remedial Design

Remedial Action

OM & M	03/01/1996	ACT	03/01/2036	PLN	XXX	XXX
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Operable Unit 01C IRM WATER

	Agency	Bureau	Office	Manager	Funding Source
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Site Characterization

Remedial Investigation

Remedial Design

Remedial Action	DEC	BCS	FSS	Vickerson, Tom	State Superfund
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OM & M

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
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Site Characterization

Remedial Investigation

Remedial Design

Remedial Action	11/01/1990	ACT	12/01/1990	ACT	XXX	XXX
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OM & M

Operable Unit 02A IRM WATER

	Agency	Bureau	Office	Manager	Funding Source
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Site Characterization

Remedial Investigation

Remedial Design

Remedial Action	DEC	BCS	FSS	Vickerson, Tom	State Superfund
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OM & M

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
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Site Characterization

Remedial Investigation

Remedial Design

Remedial Action	11/01/1990	ACT	12/01/1990	ACT	XXX	XXX
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OM & M

Operable Unit 01A IRM CAP

	Agency	Bureau	Office	Manager	Funding Source
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Site Characterization

Remedial Investigation

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Remedial Design	DEC	BERA	REM-B	MJKOMORO	Title 3
Remedial Action	DEC	BCS	EFS	JCGRATHW	Title 3
OM & M					

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
Site Characterization								
Remedial Investigation								
Remedial Design	06/01/1991	ACT	07/01/1993	ACT		XXX		XXX
Remedial Action	08/01/1994	ACT	08/01/1996	ACT		XXX		XXX
OM & M								

Operable Unit 01 REMEDIAL PROGRAM

	Agency	Bureau	Office	Manager	Funding Source
Site Characterization					
Remedial Investigation	DEC	BERA	REM-B	MJKOMORO	Title 3
Remedial Design					
Remedial Action					
OM & M					

	Start Date	Stat.	End Date	Stat.	Rev. Start Date	Stat.	Rev. End Date	Stat.
Site Characterization								
Remedial Investigation	11/01/1991	ACT	03/01/1996	ACT		XXX		XXX
Remedial Design								
Remedial Action								
OM & M								